

Comparisons of Job Characteristics

Focus Occupation: [First-Line Supervisors of Production and Operating Workers \(51-1011\)](#)
Associated Occupation: [Industrial Production Managers \(11-3051\)](#)

[Compare Knowledge](#)
[Compare Skills](#)
[Compare Abilities](#)
[Compare Detailed Work Activities](#)
[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 96

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)
Associated Occupation: Industrial Production Managers (11-3051)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Production and Processing	6.0	19.1	17.4	0	Current knowledge level may be sufficient
Mechanical	6.8	14.7	10.9	<<	Extensive education and/or training may be required
Administration and Management	8.4	13.6	14.0	0	Current knowledge level may be sufficient
Education and Training	9.2	11.1	11.1	0	Current knowledge level may be sufficient
Design	5.2	8.8	6.5	<<	Extensive education and/or training may be required
Personnel and Human Resources	5.6	8.5	10.2	>	Current knowledge level is likely sufficient
Chemistry	4.8	6.6	5.0	<	Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)
Associated Occupation: Industrial Production Managers (11-3051)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Monitoring	9.9	16.0	10.6	<<	Extensive development of skills in this area may be required
Coordination	9.1	14.8	12.0	<	A higher skill level may be required
Management of Personnel Resources	6.9	14.6	11.8	<	A higher skill level may be required
Time Management	8.9	14.1	12.6	<	A higher skill level may be required

Judgment and Decision Making	9.4	13.2	10.6	<	A higher skill level may be required
Systems Analysis	6.5	11.7	8.5	<<	Extensive development of skills in this area may be required
Negotiation	6.8	11.2	9.8	<	A higher skill level may be required
Management of Financial Resources	3.3	11.0	5.6	<<	Extensive development of skills in this area may be required
Management of Material Resources	3.7	10.6	5.8	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 95			
Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011) Associated Occupation: Industrial Production Managers (11-3051)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Deductive Reasoning	10.6	13.8	11.4	<	Some improvement in abilities may be required
Problem Sensitivity	11.1	13.6	12.1	<	Some improvement in abilities may be required
Information Ordering	9.9	11.8	9.7	<	Some improvement in abilities may be required
Fluency of Ideas	7.6	11.6	9.1	<	Some improvement in abilities may be required
Originality	7.6	11.0	9.7	<	Some improvement in abilities may be required
Mathematical Reasoning	6.3	10.6	7.1	<<	Extensive improvement in abilities may be required
Number Facility	6.3	9.8	6.2	<<	Extensive improvement in abilities may be required
Perceptual Speed	7.4	9.4	8.4	<	Some improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 83
Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011) Associated Occupation: Industrial Production Managers (11-3051)		
Work Activities	Exclusivity of Activity	
Analyze operational or management reports or records	62	
Assign work to staff or employees	30	
Communicate technical information	4	
Conduct or attend staff meetings	47	

Coordinate production materials, activities or processes	81
Determine factors affecting production processes	84
Develop maintenance schedules	82
Direct and coordinate activities of workers or staff	3
Maintain records, reports, or files	5
Read technical drawings	7
Resolve personnel problems or grievances	68
Understand technical operating, service or repair manuals	6
Use oral or written communication techniques	1

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 82

Focus Occupation: First-Line Supervisors of Production and Operating Workers (51-1011)
Associated Occupation: Industrial Production Managers (11-3051)

Tools and Technologies	Exclusivity
Business function specific software	1
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Finance accounting and enterprise resource planning ERP software	2
Information exchange software	1
Network applications software	1
Respiratory protection	6
Vision protection and accessories	3

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.